

Fig.1

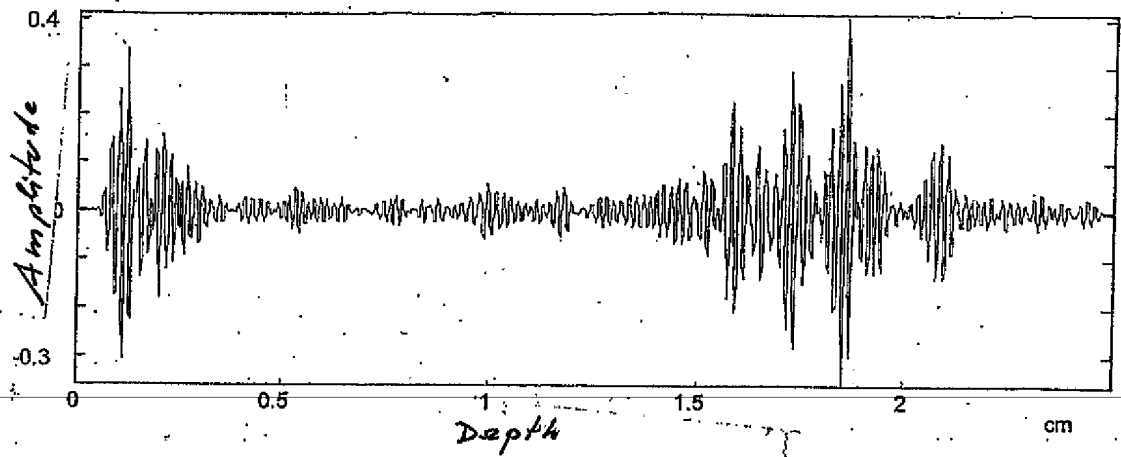


Fig.2

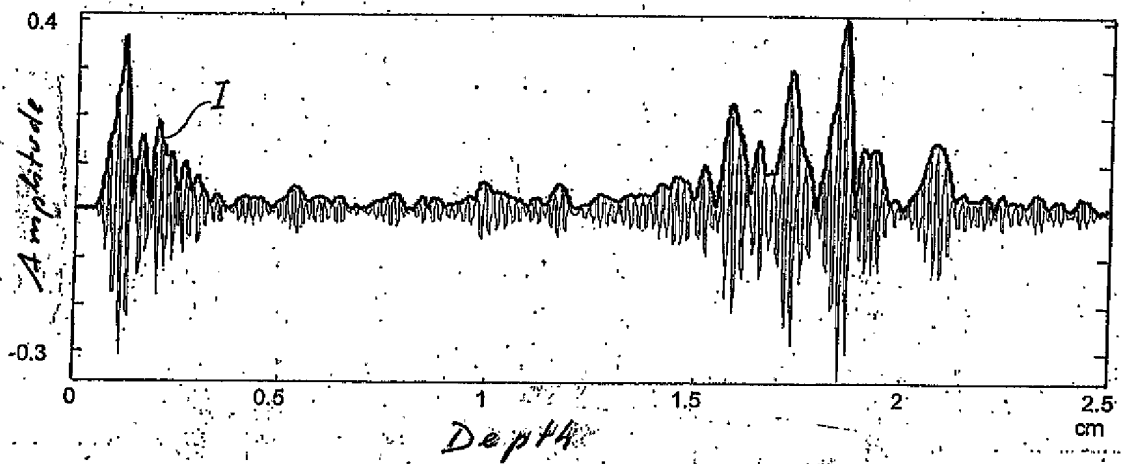
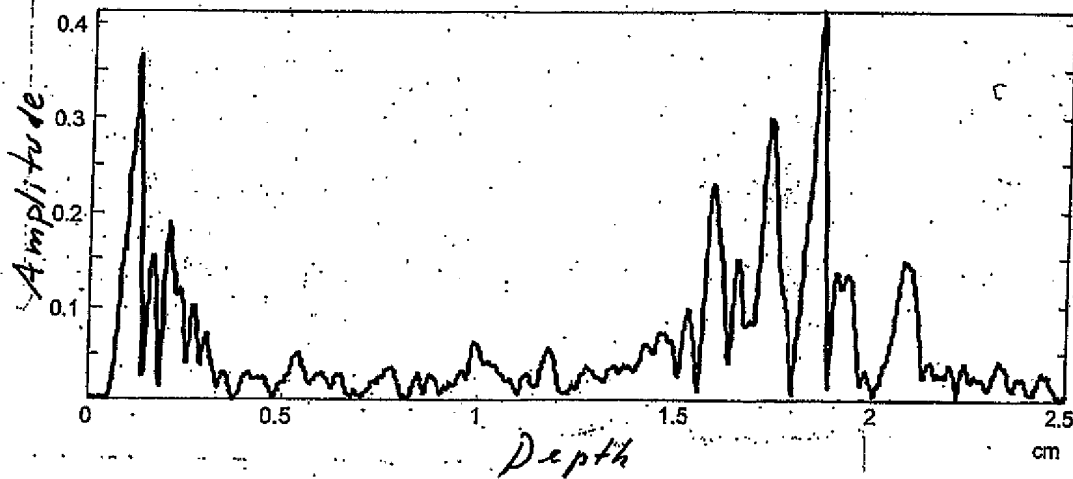


Fig.3



(A)

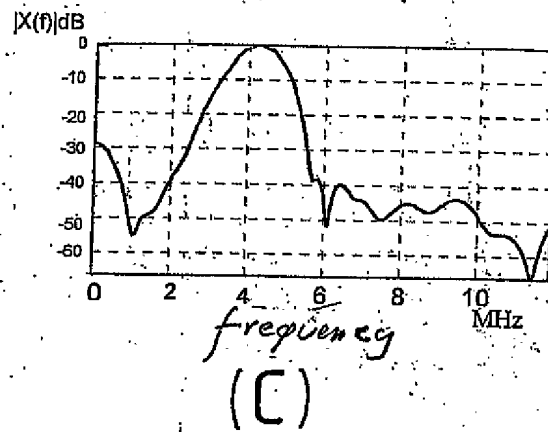
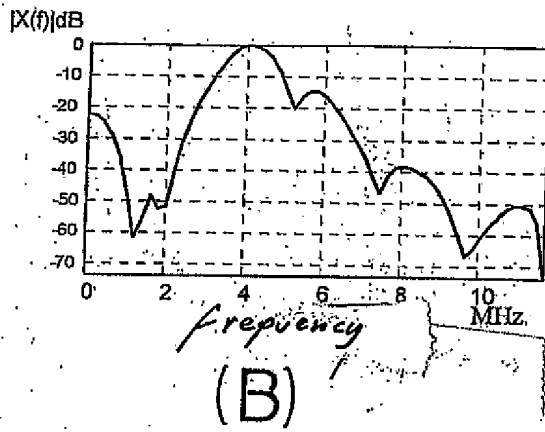
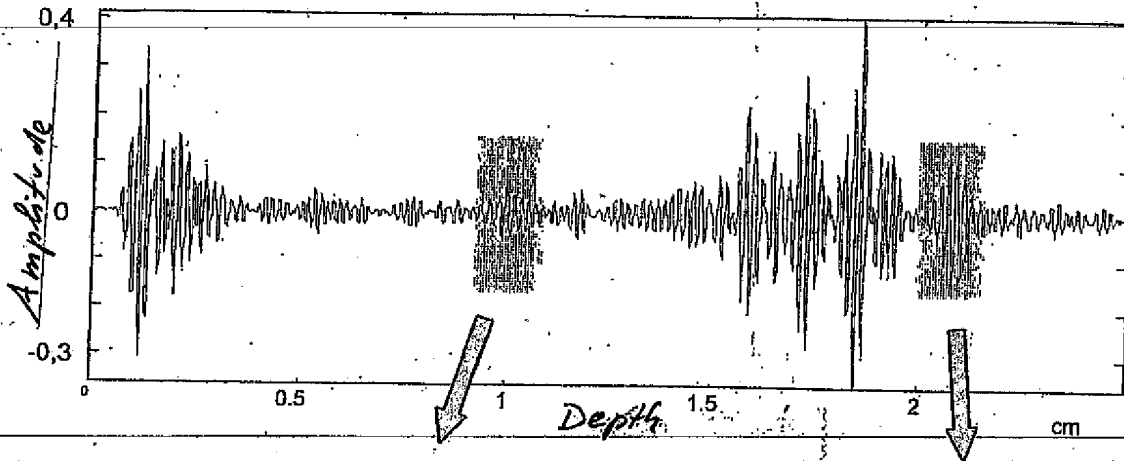
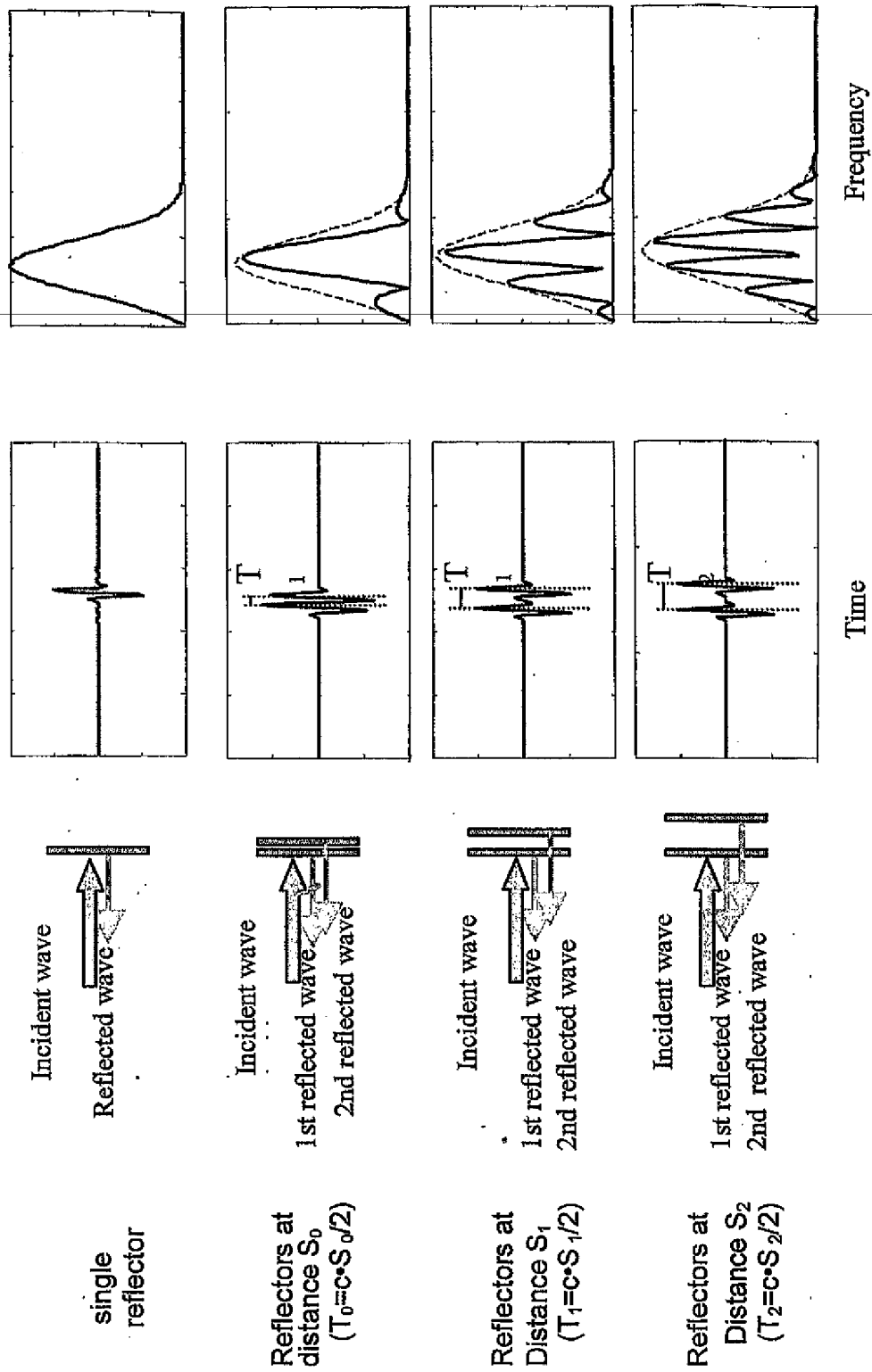
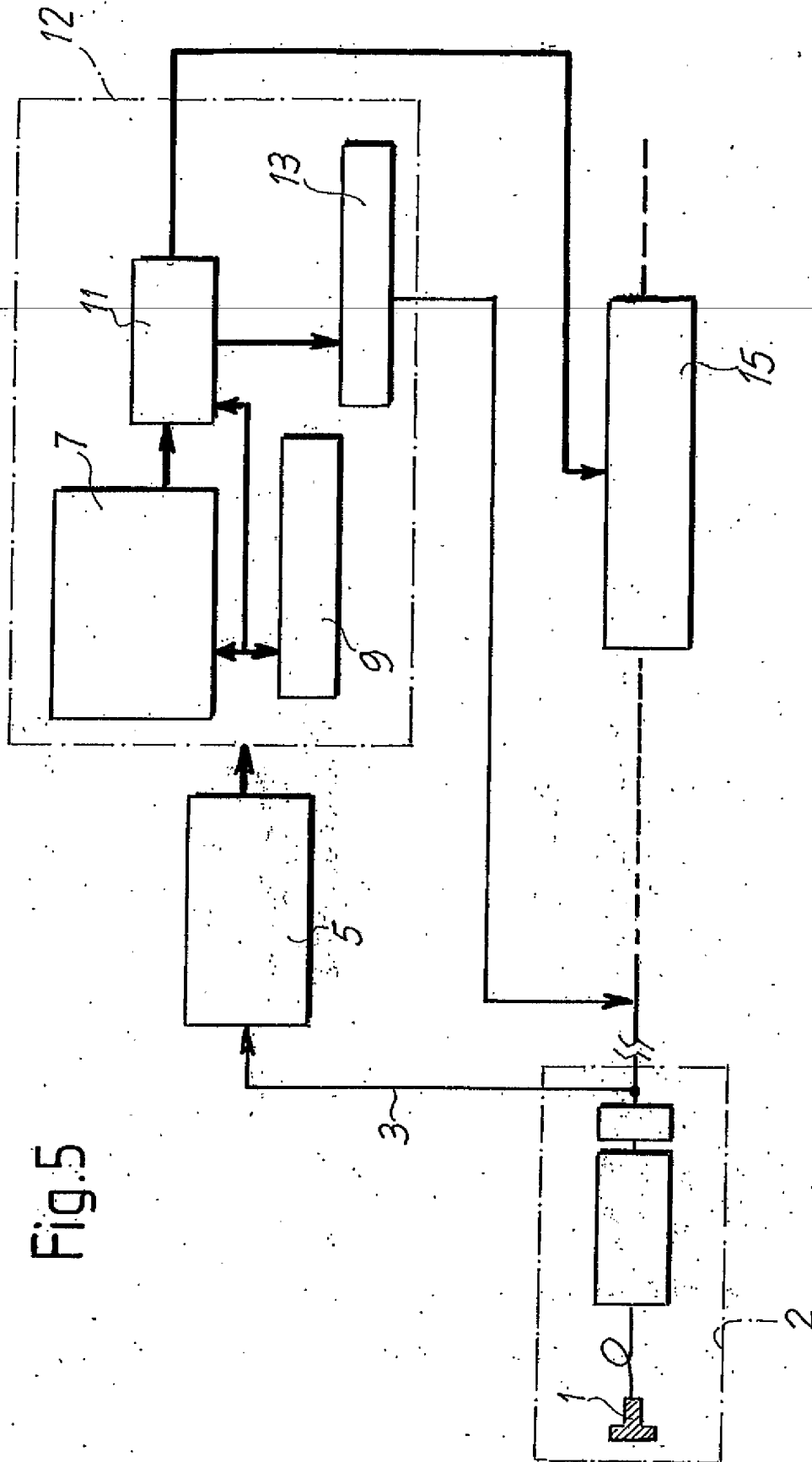


Fig.4

Fig.4D





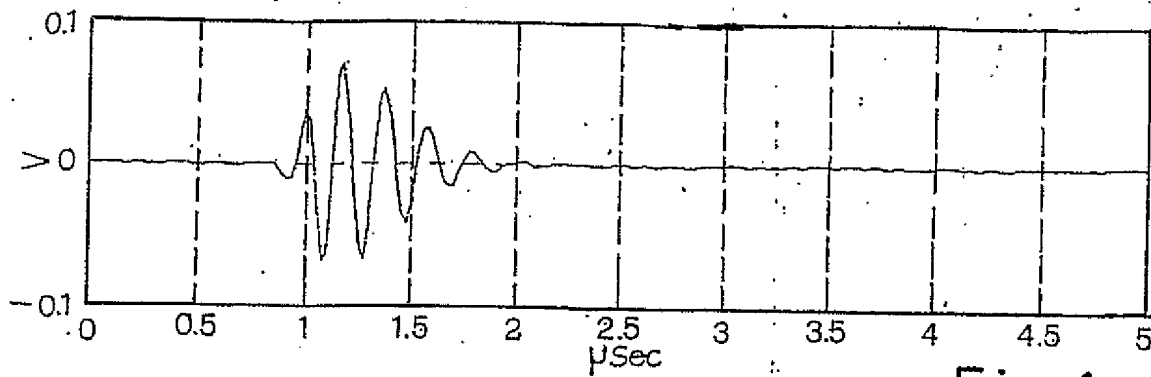


Fig. 6A

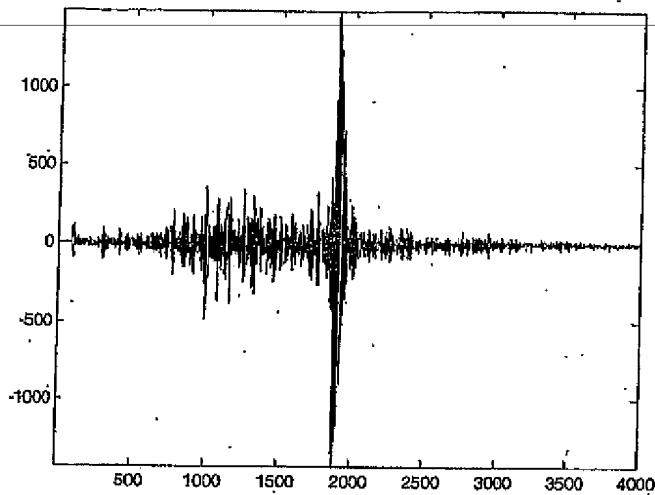


Fig. 6B

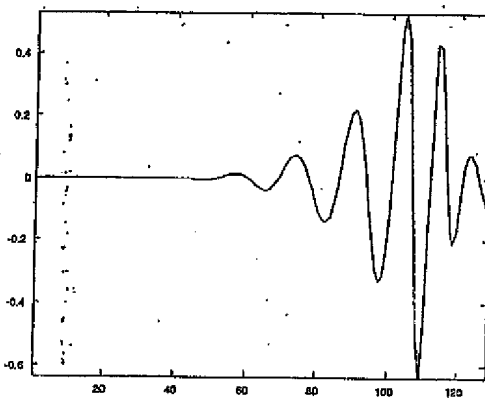


Fig. 6C

Band 1 [0:2.5 MHz]

Band 2 [2.5:5 MHz]

Band 3 [5:7.5 MHz]

Band 4 [7.5:10 MHz]

Band 5 [10:12.5 MHz]

Band 6 [12.5:15 MHz]

Band 7 [15:17.5 MHz]

Band 8 [17.5:20 MHz]

Fig. 6D

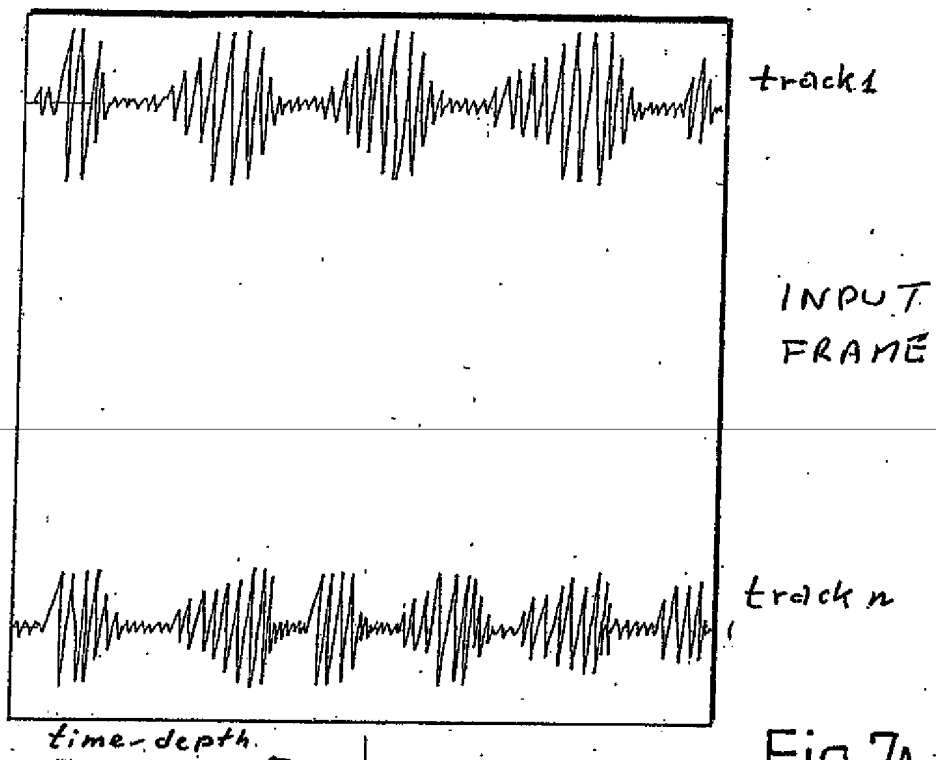


Fig. 7A

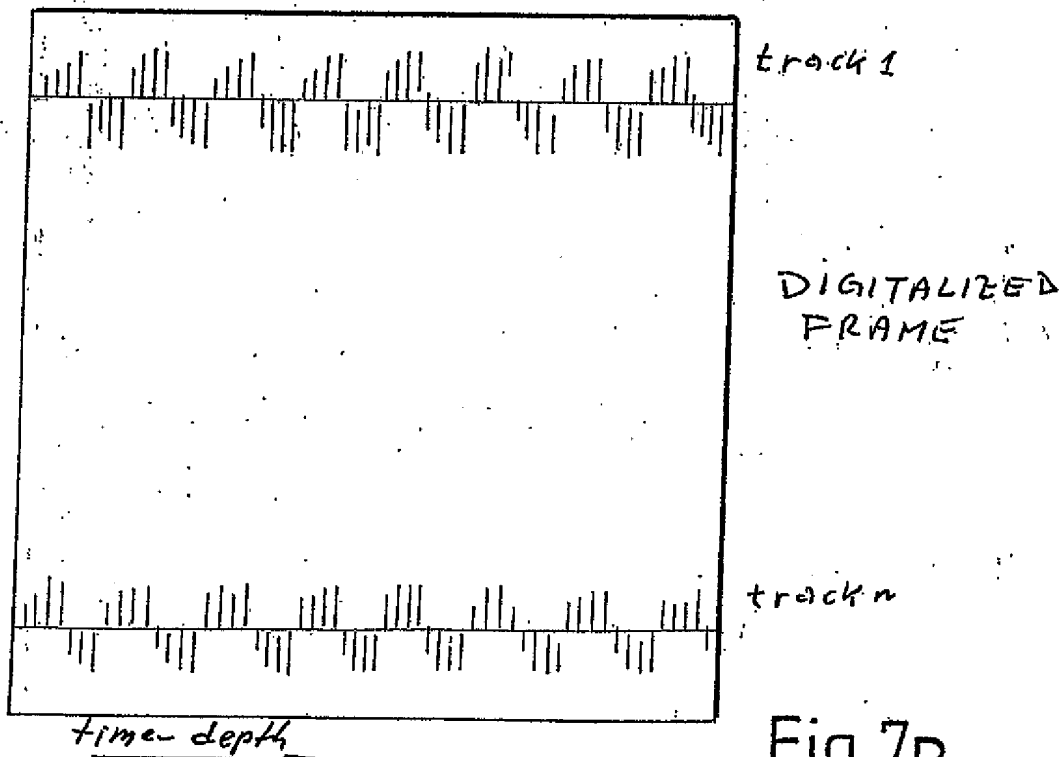
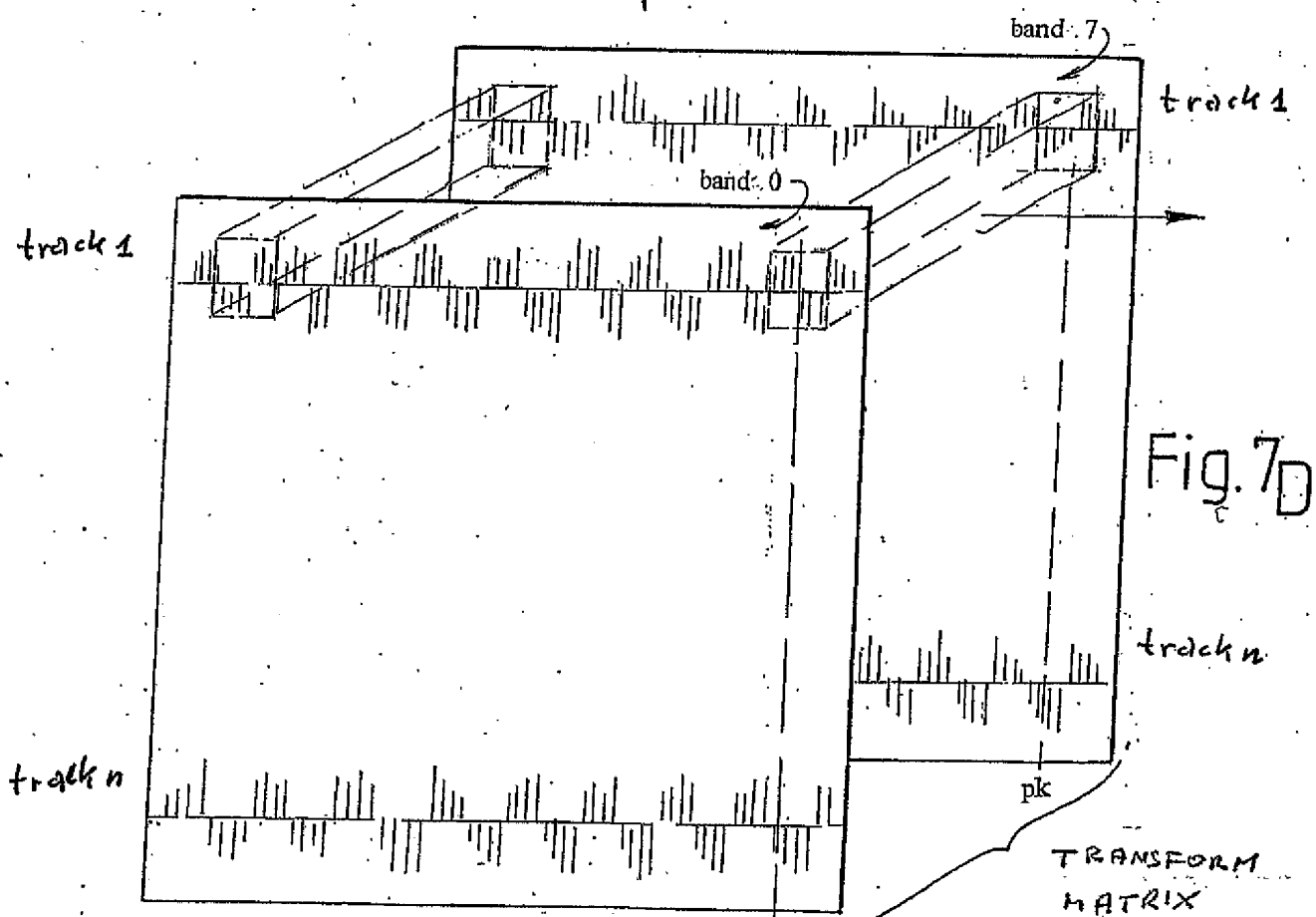
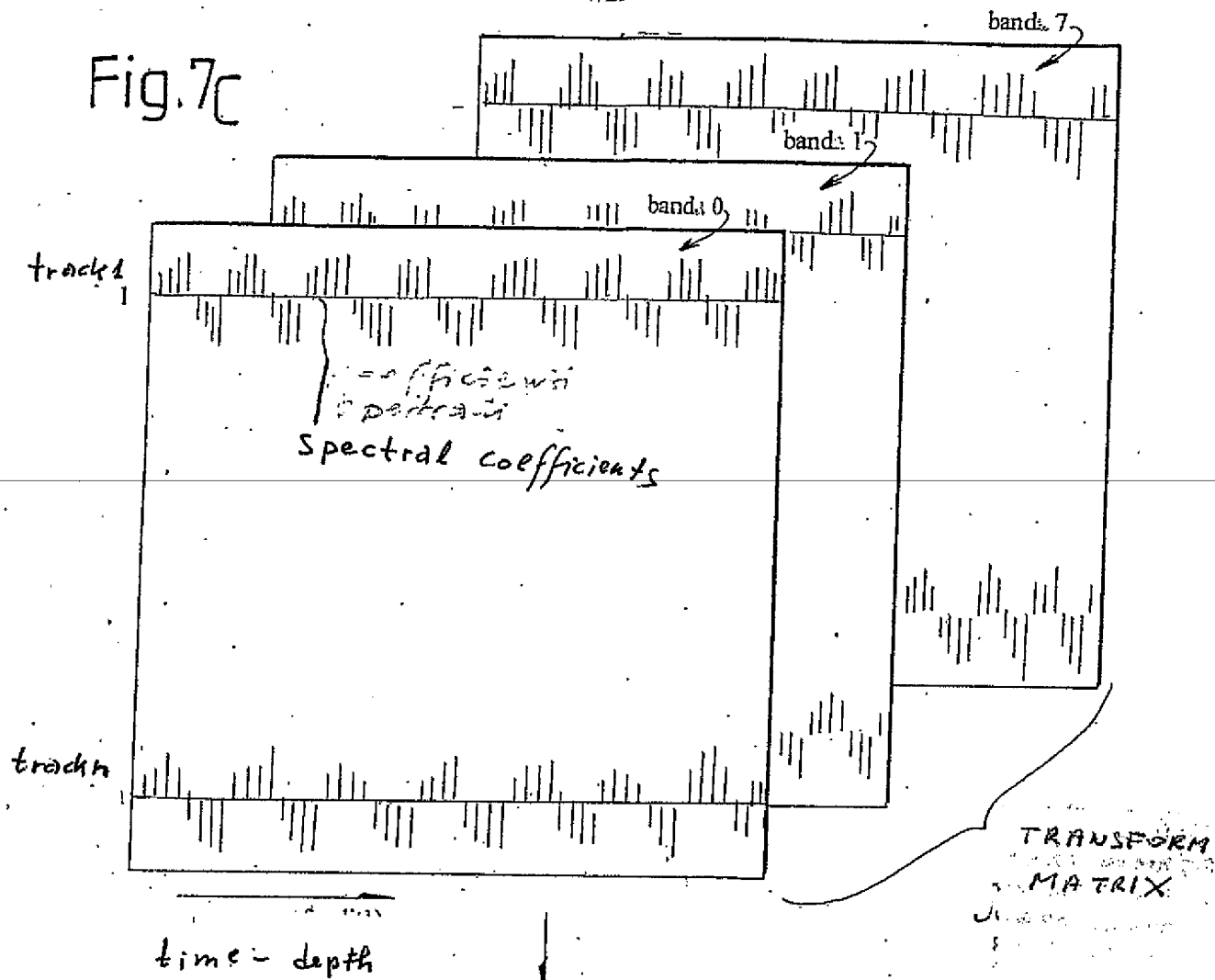
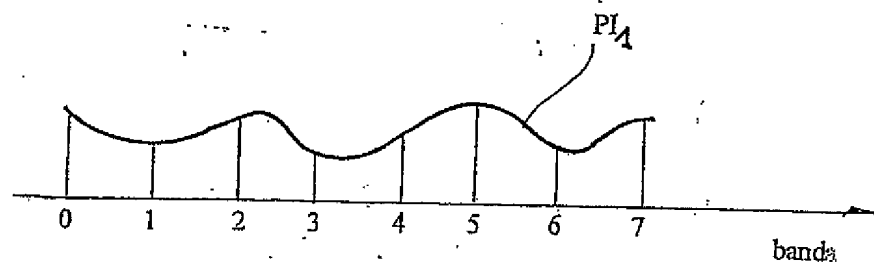


Fig. 7B

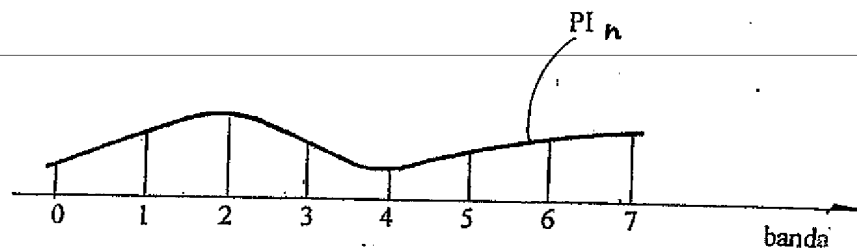
Fig. 7c





track 1

Fig. 7E



track n

a ₁₁	a ₁₂					a _{1n}
a ₂₁	a ₂₂					a _{2n}
a _{n1}						a _{nn}

track 1

track 2

LOCAL ESTIMATORS
MATRIX

track n

Fig. 7F

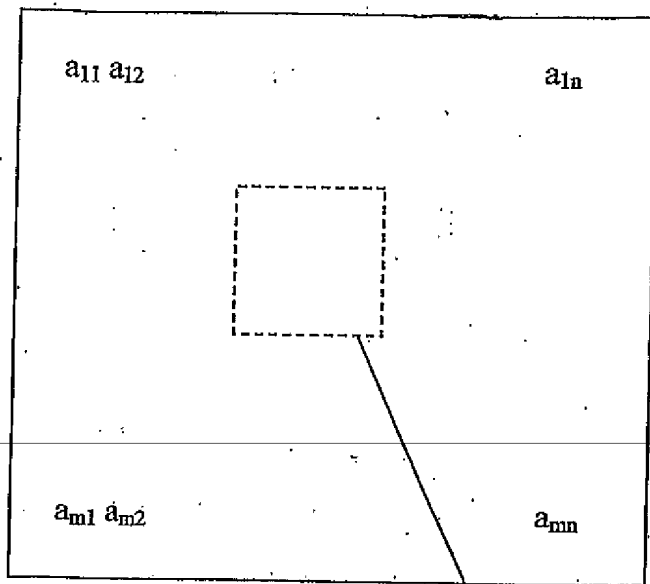
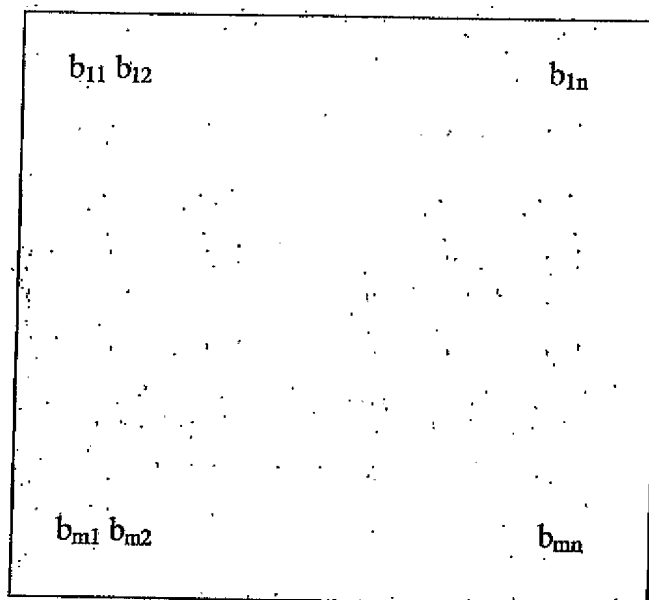


Fig.7G

LOCAL
ESTIMATORS
MATRIX

 σ_{ij}


$$b_{ij} = f(a_{ij}, \sigma_{ij})$$

Fig.7H

WEIGHTED
LOCAL ESTIMATORS
MATRIX

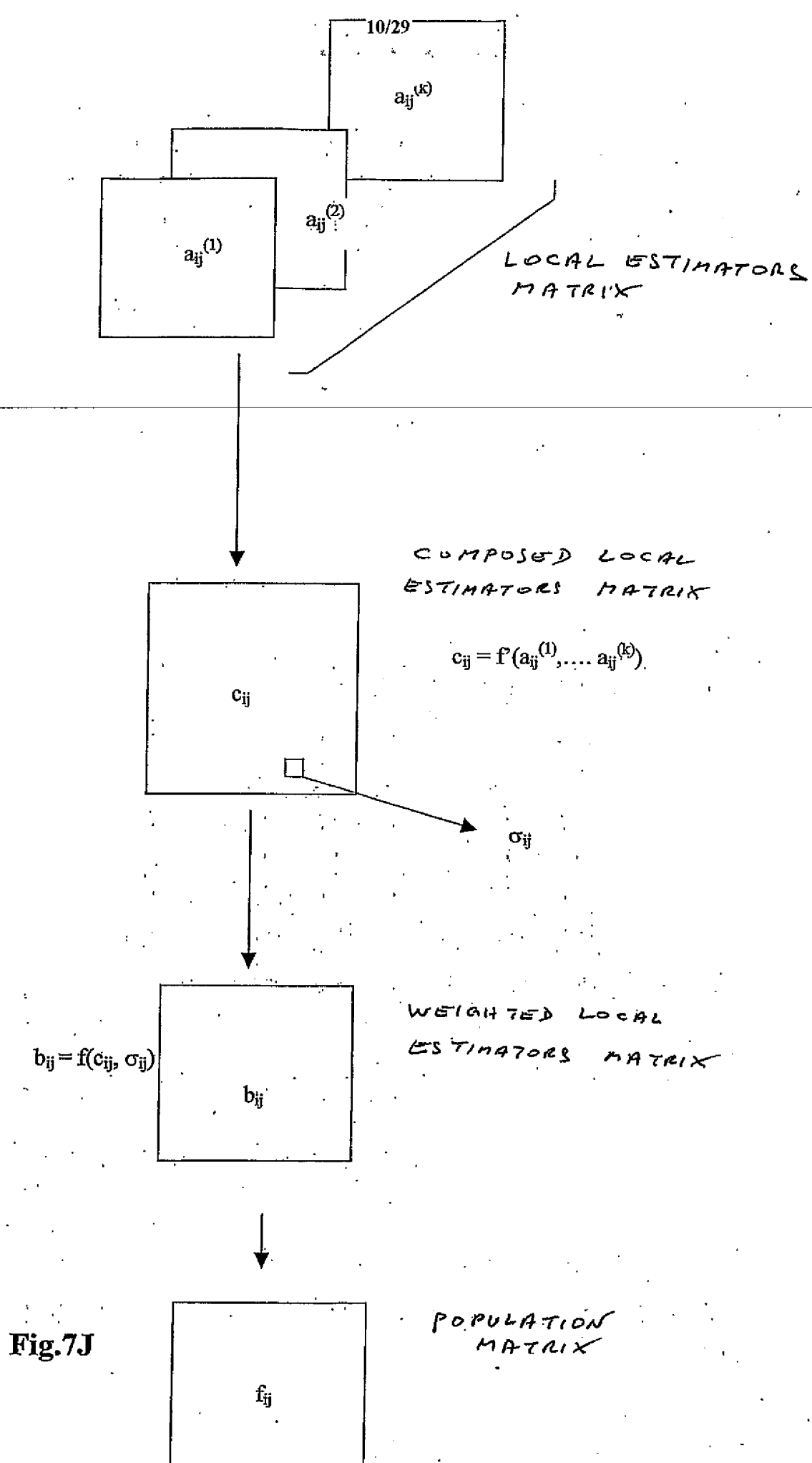


Fig.7J

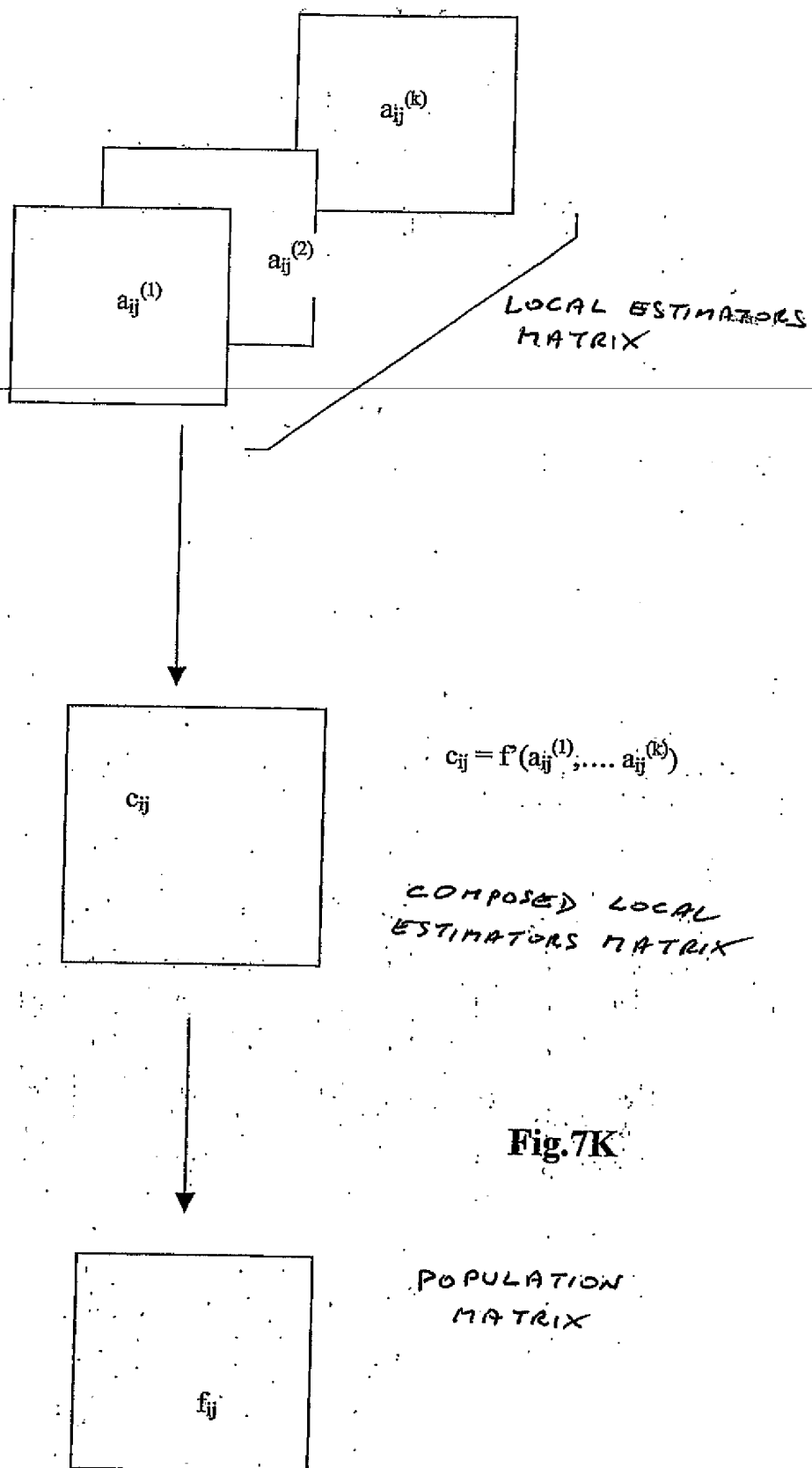
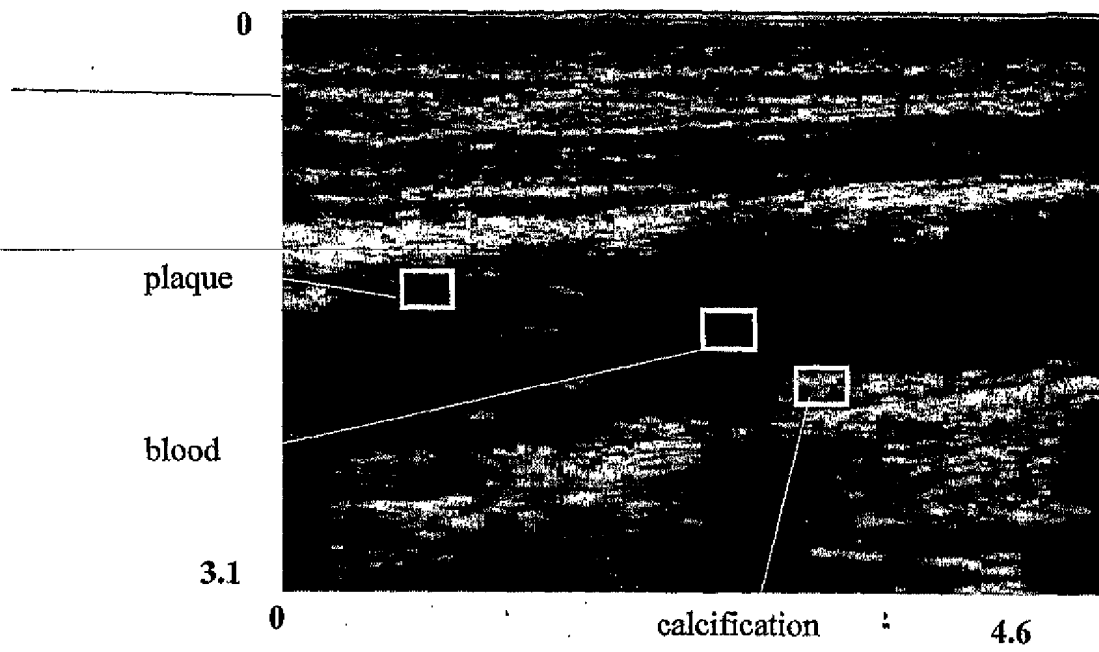
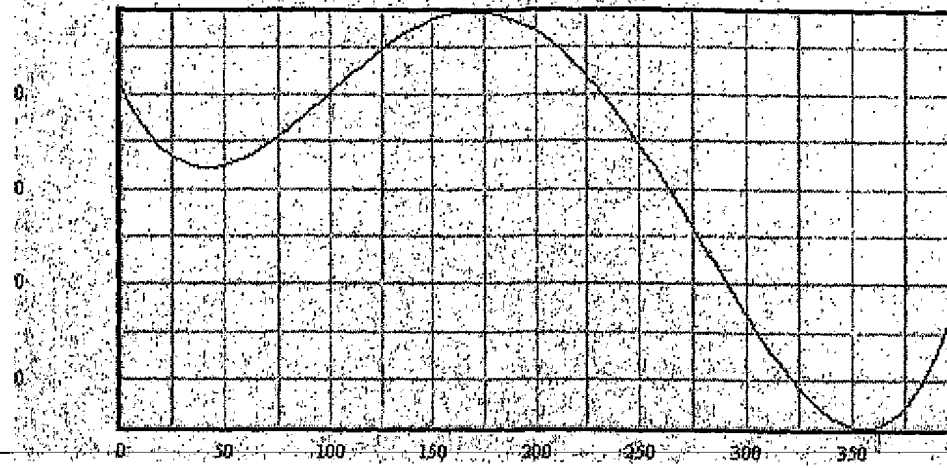
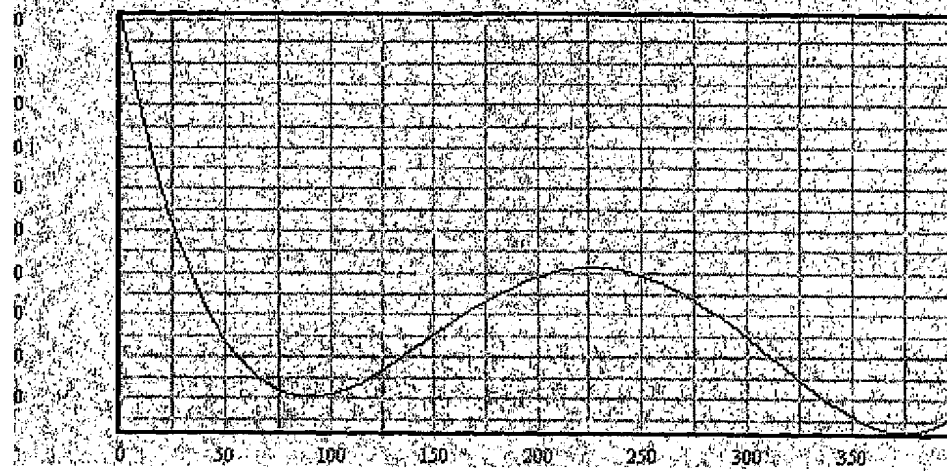
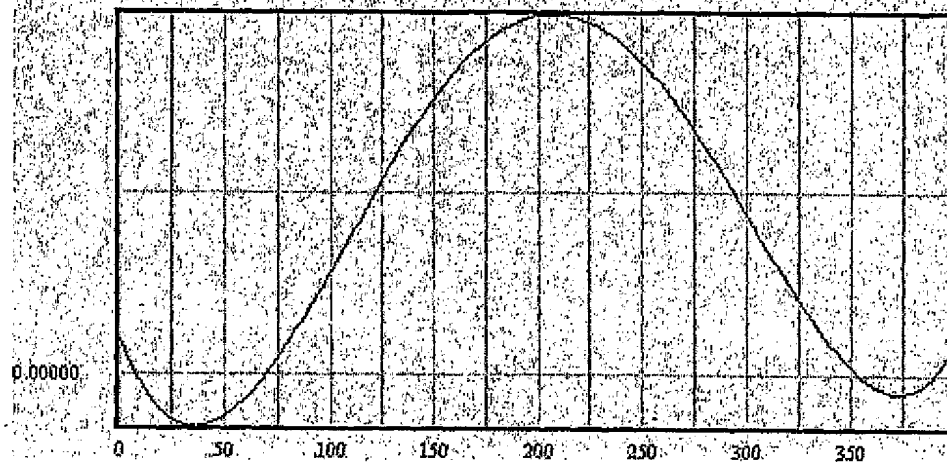
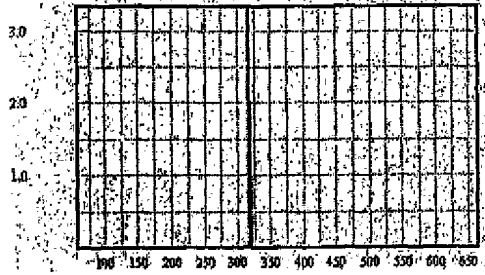
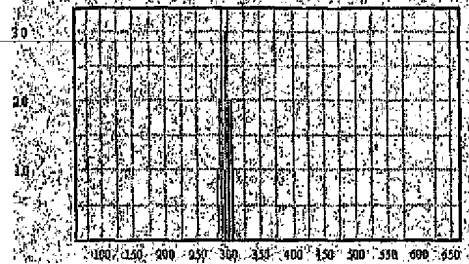
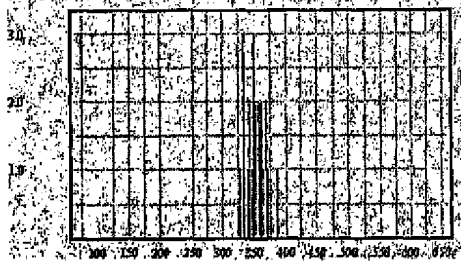
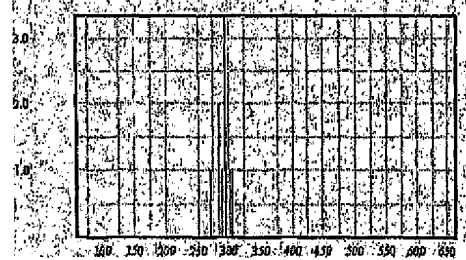
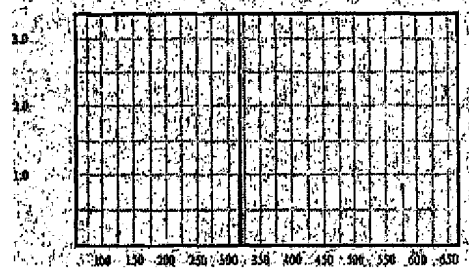


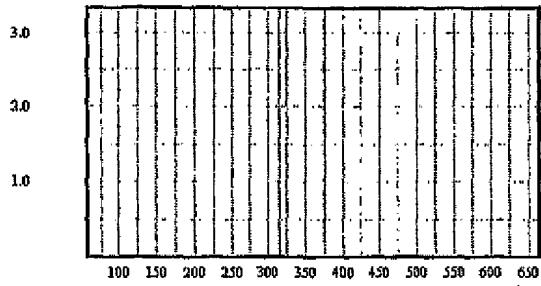
Fig.7K

Fig.8A**Fig.8B**

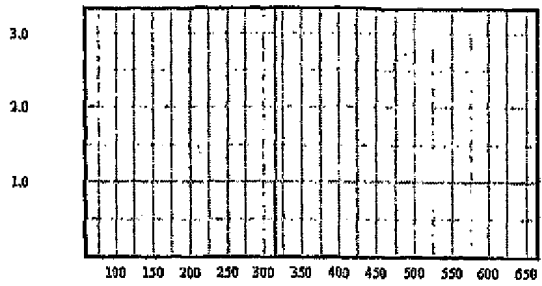
**Fig.9A****Fig.9B****Fig.9C**

Coefficient A_0 **Coefficient A_1** **Coefficient A_2** **Coefficient A_3** **Coefficient A_4** **Fig.10**

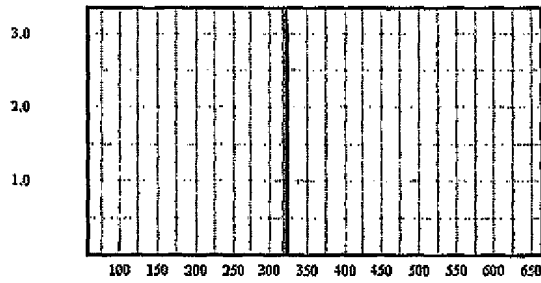
Coefficient A_0



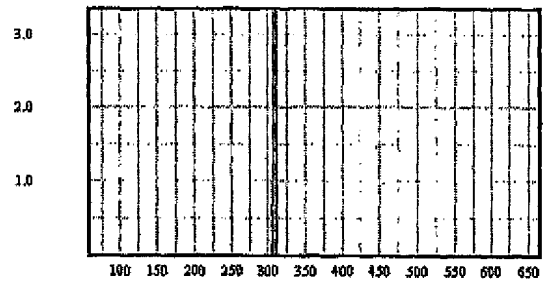
Coefficient A_1



Coefficient A_2



Coefficient A_3



Coefficient A_4

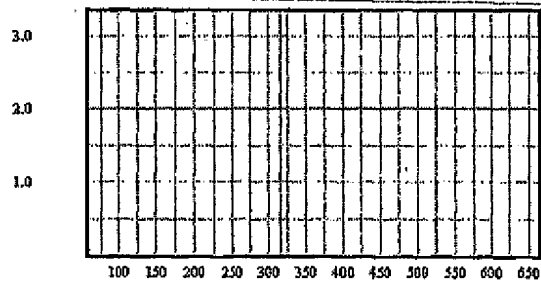


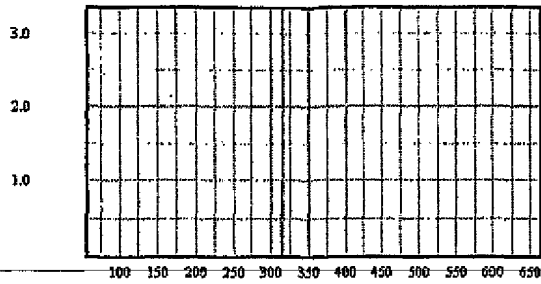
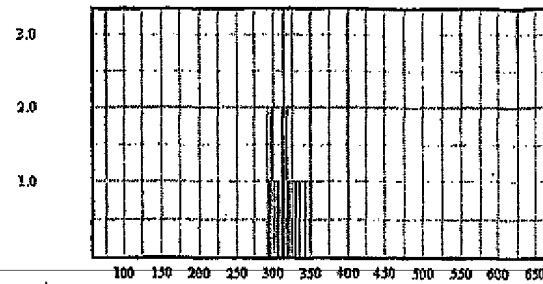
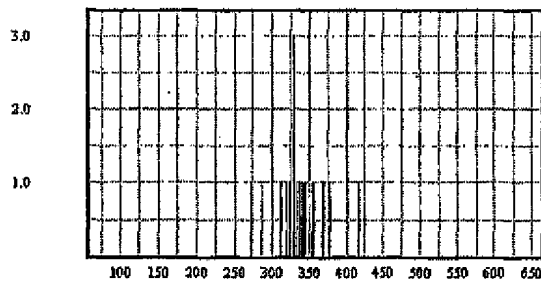
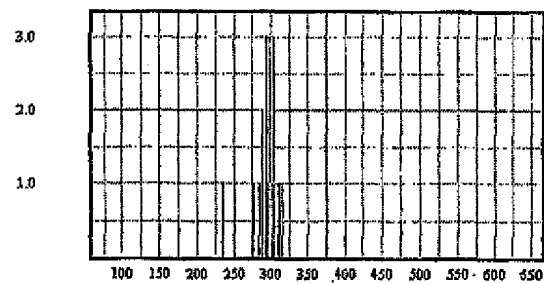
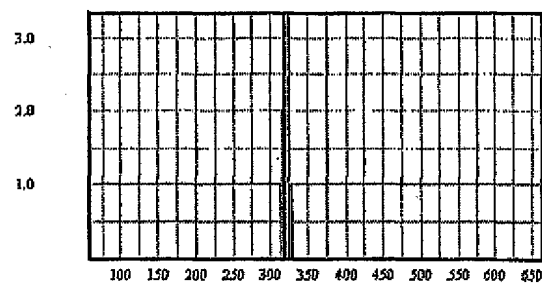
Fig.12**Coefficient A_0** **Coefficient A_1** **Coefficient A_2** **Coefficient A_3** **Coefficient A_4** 

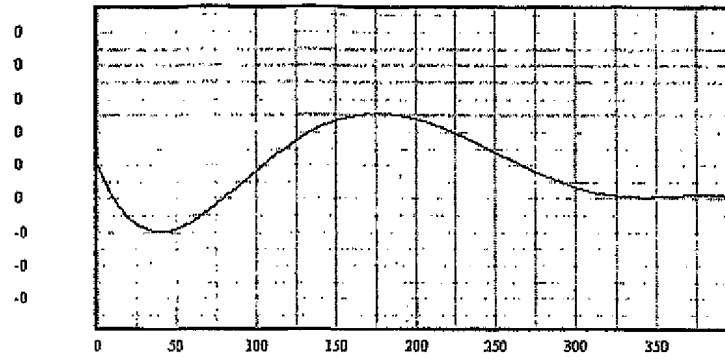
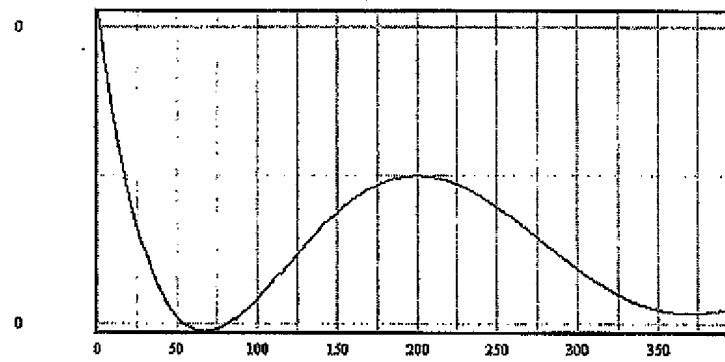
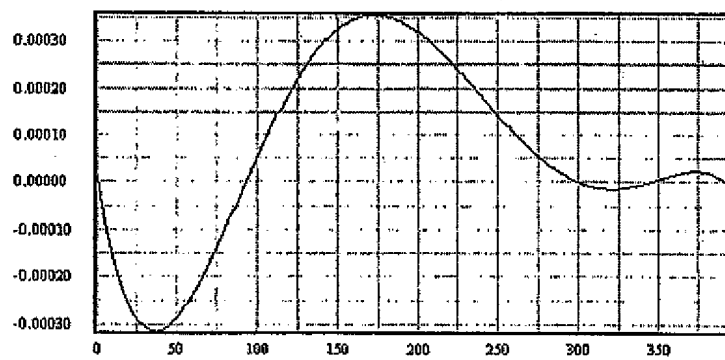
Fig.13A**Fig.13B****Fig.13C**

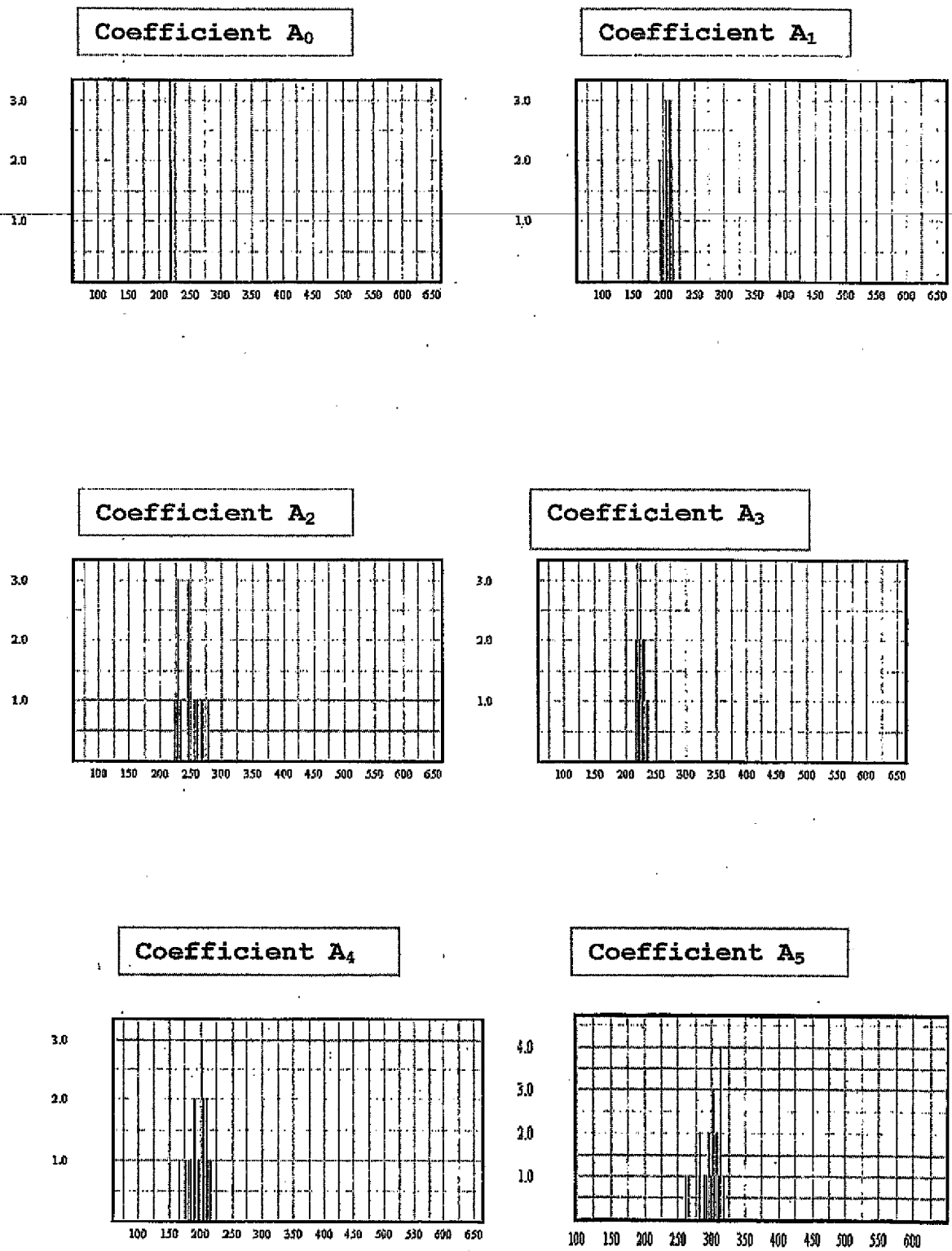
Fig.14

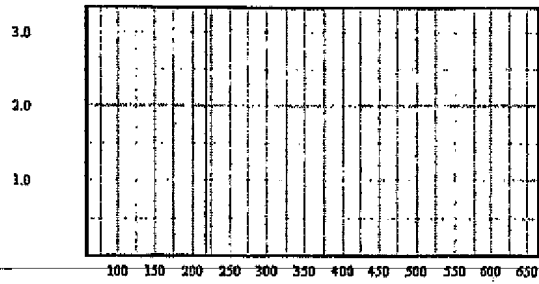
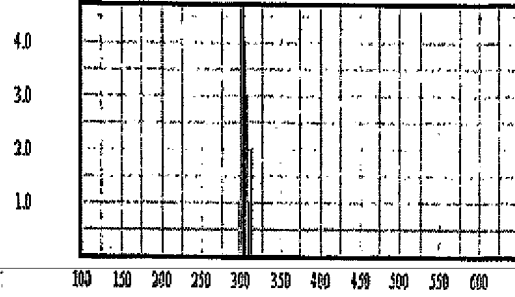
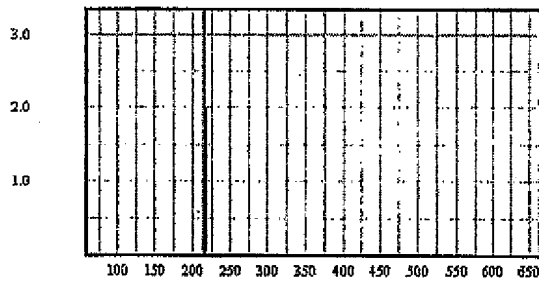
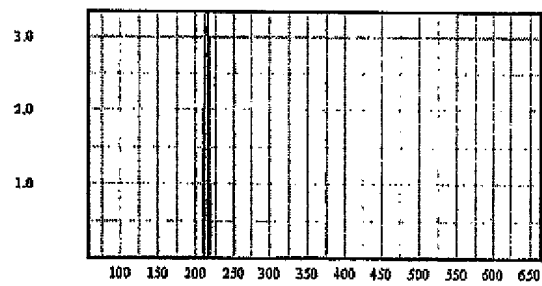
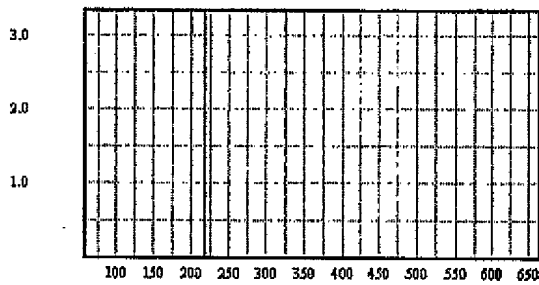
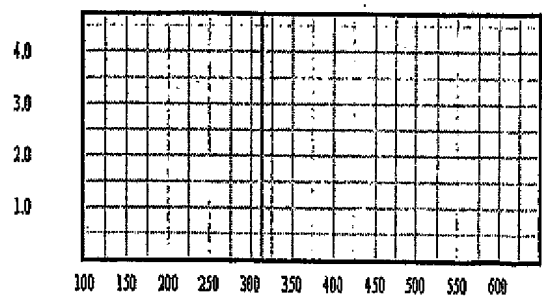
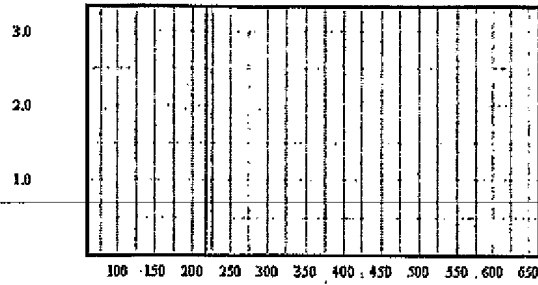
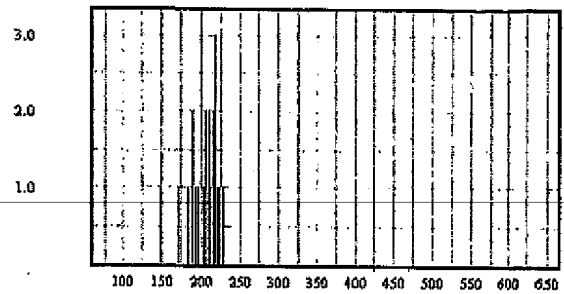
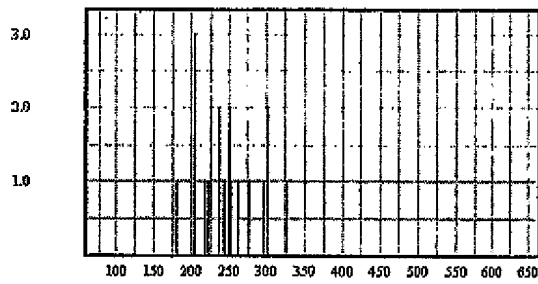
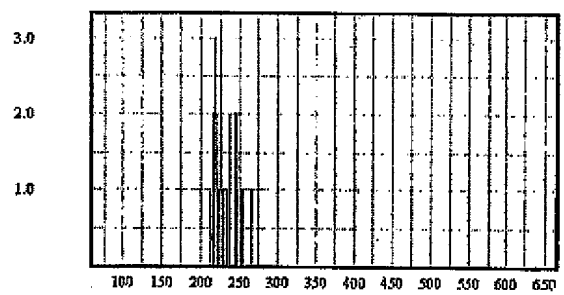
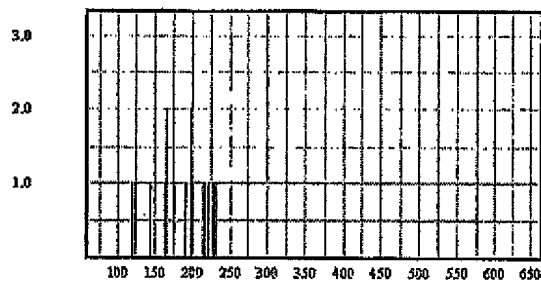
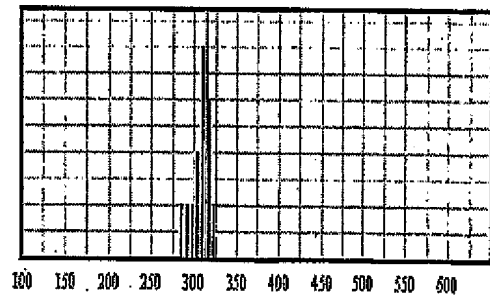
Fig.15**Coefficient A_0** **Coefficient A_1** **Coefficient A_2** **Coefficient A_3** **Coefficient A_4** **Coefficient A_5** 

Fig.16**Coefficient A_0** **Coefficient A_1** **Coefficient A_2** **Coefficient A_3** **Coefficient A_4** **Coefficient A_5** 

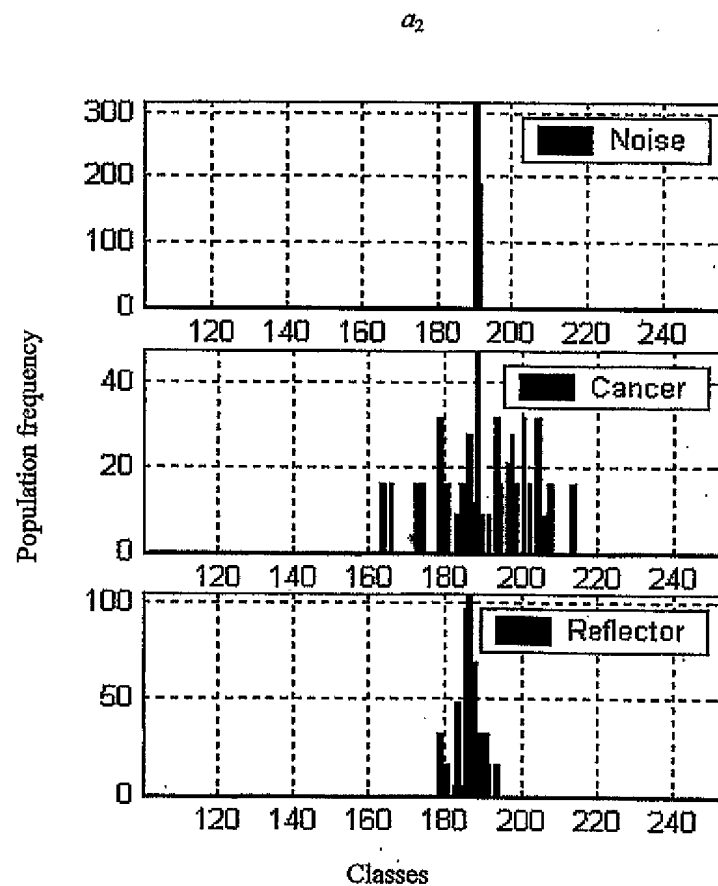
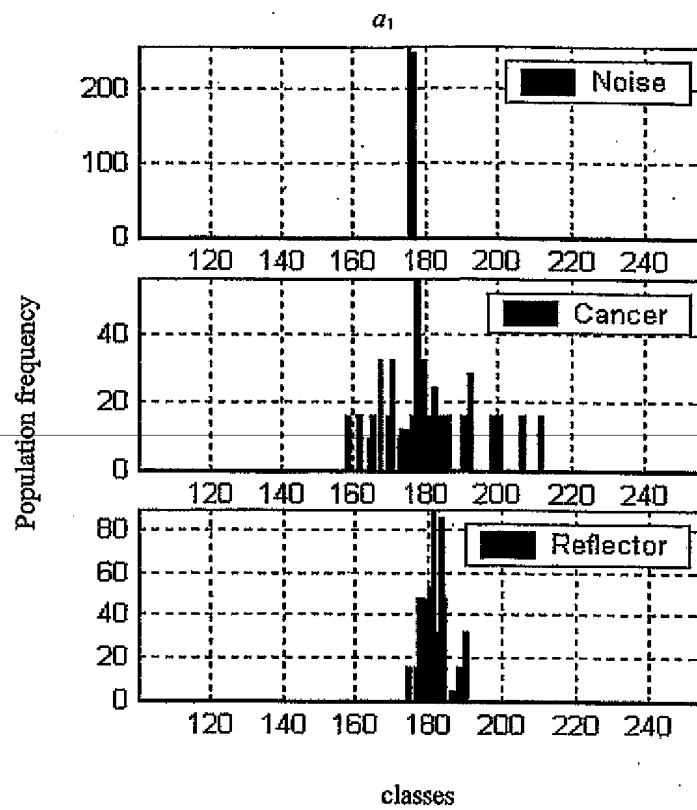


Fig.17A

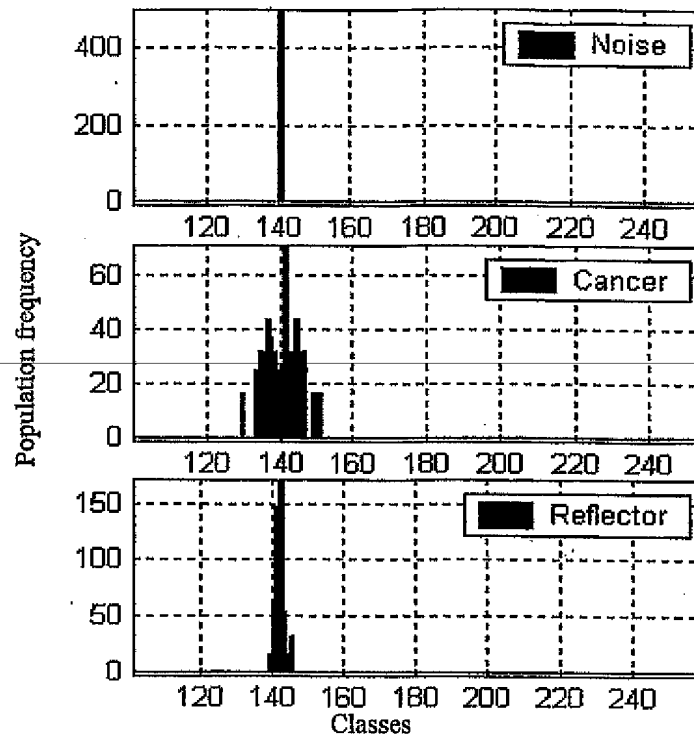
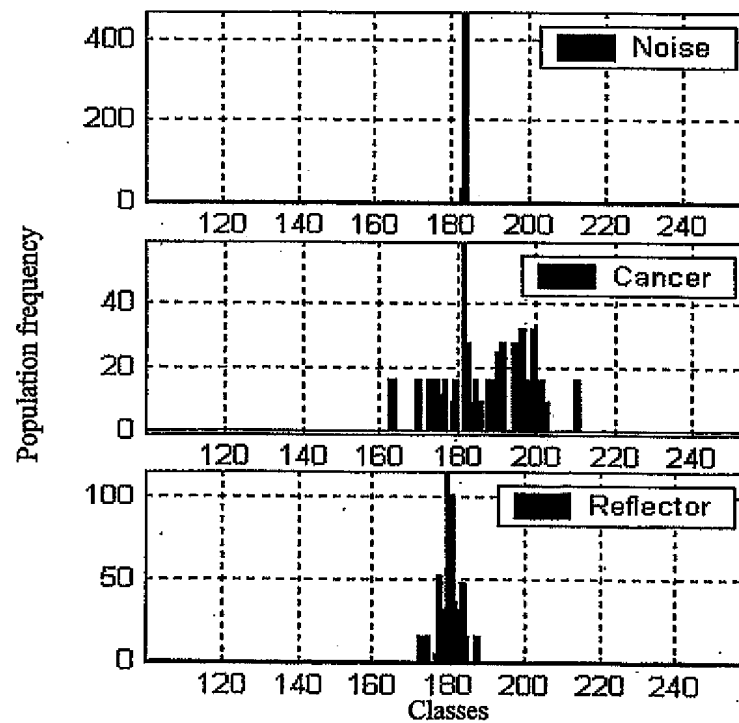
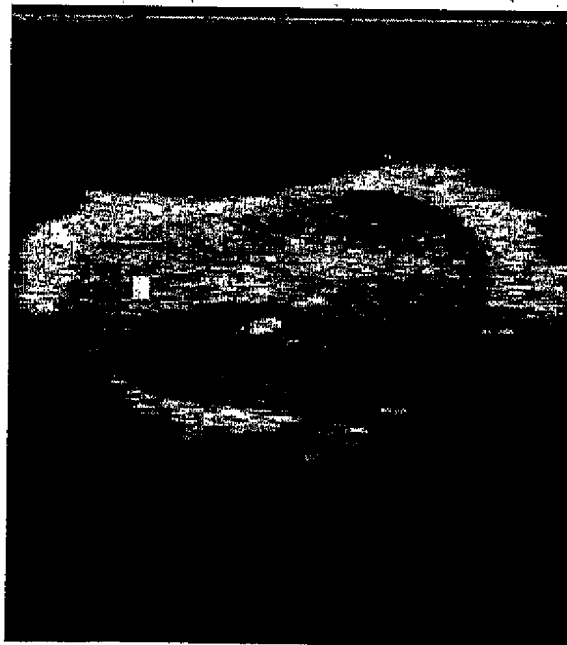
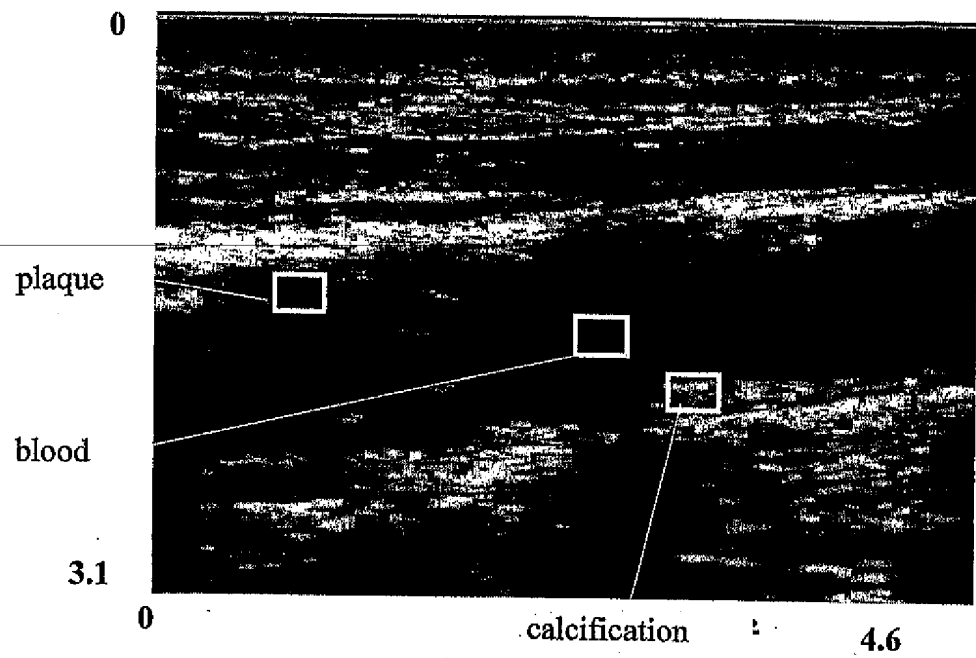
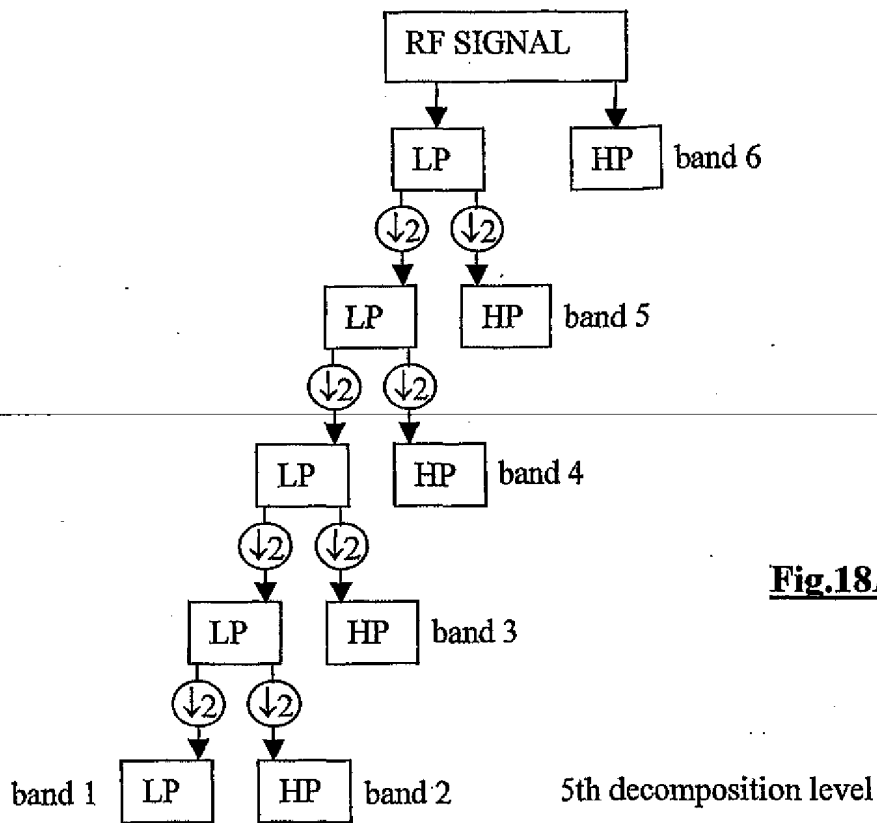
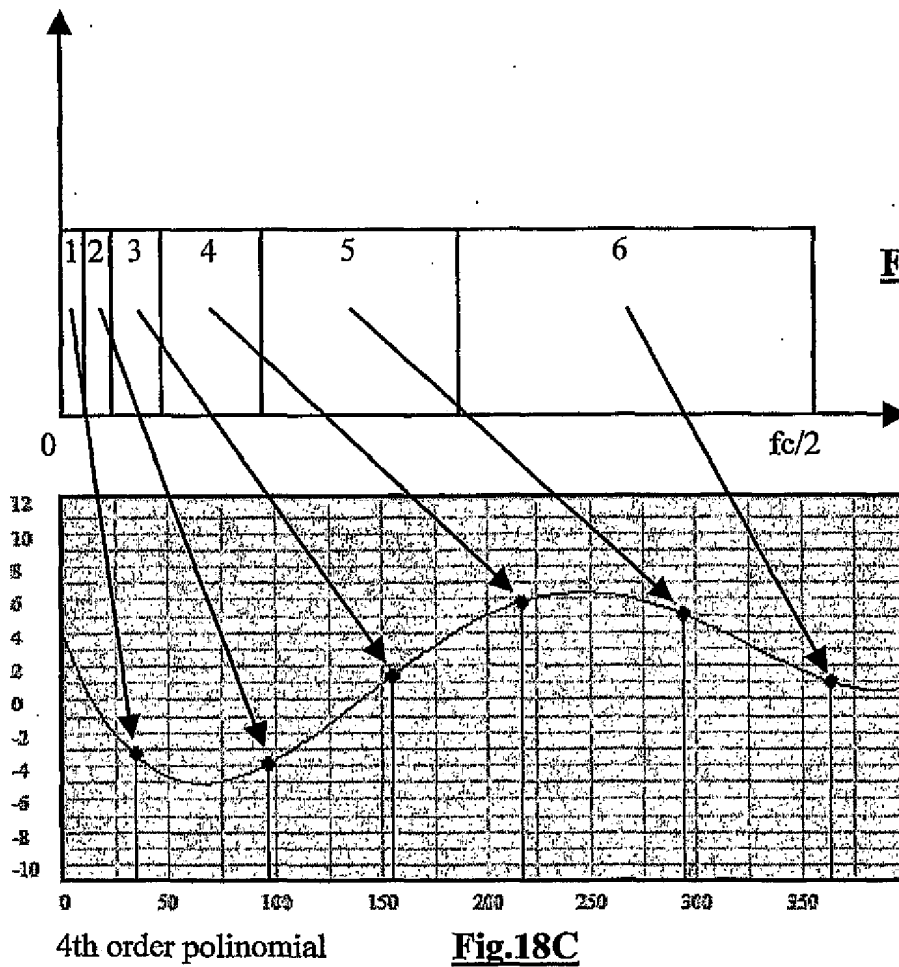
α_3  α_4 **Fig.17B**

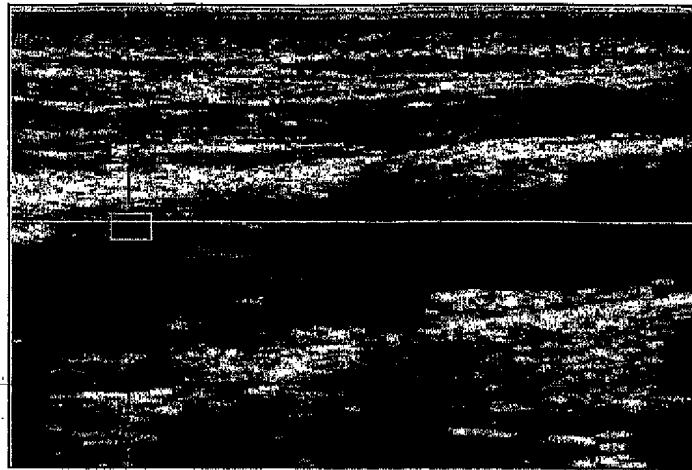
Fig.17C**Fig.17D**

DISCRETE WAVELET DECOMPOSITION

**Fig.18A****Fig.18B****Fig.18C**

4th order polynomial

Plaque polinomial and histograms



Polinomial cursor and histogram window

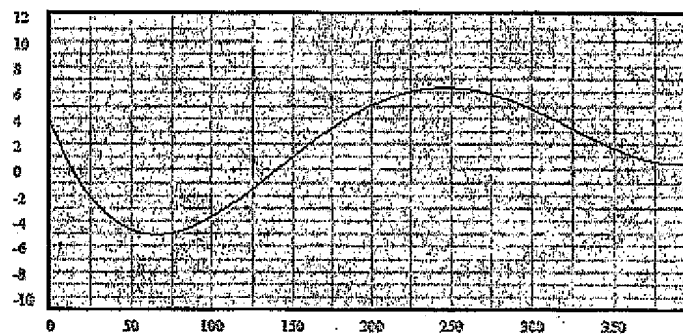
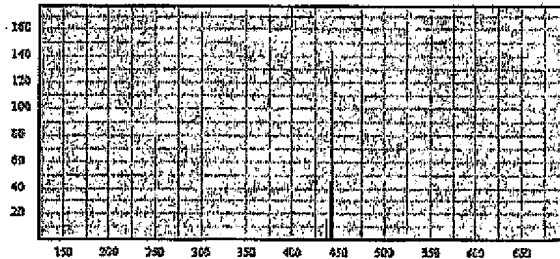
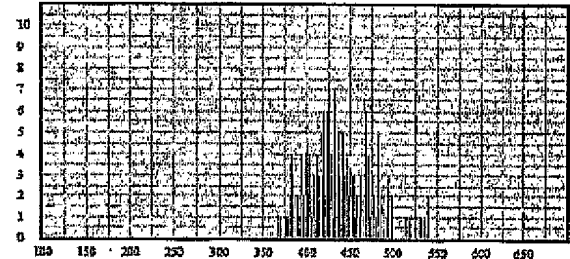


Fig.19

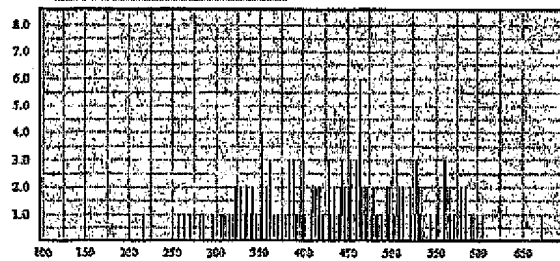
Coefficient A_0



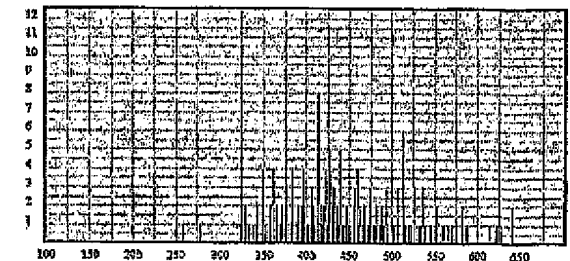
Coefficient A_1



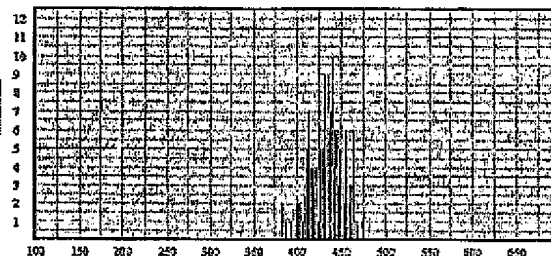
Coefficient A_2



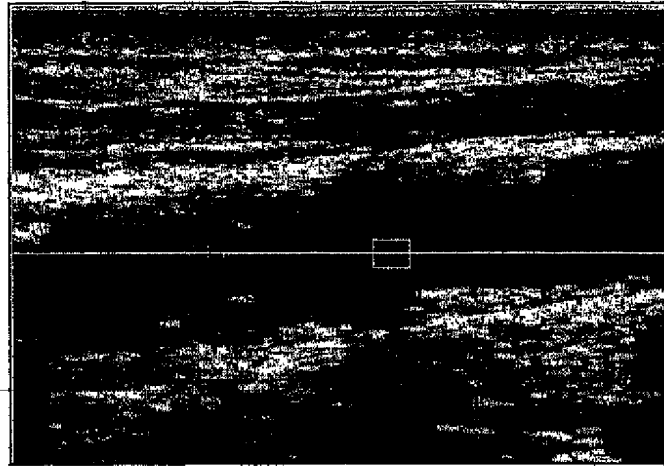
Coefficient A_3



Coefficient A_4



Blood polinomial and histograms



Polinomial cursor and histogram window

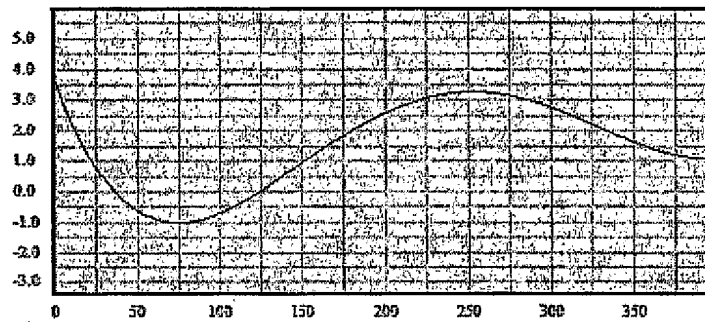
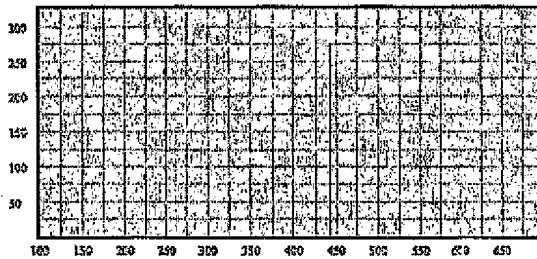
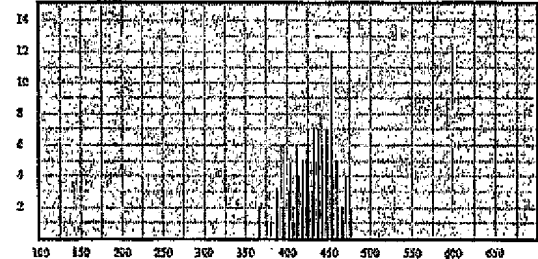


Fig.20

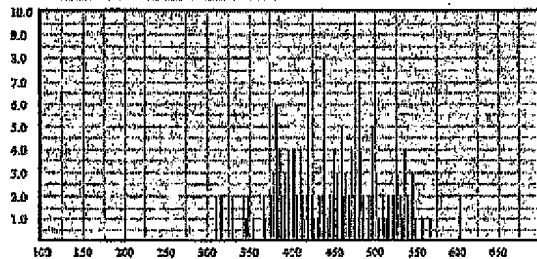
Coefficient A_0



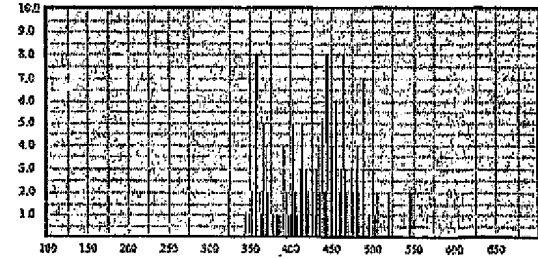
Coefficient A_1



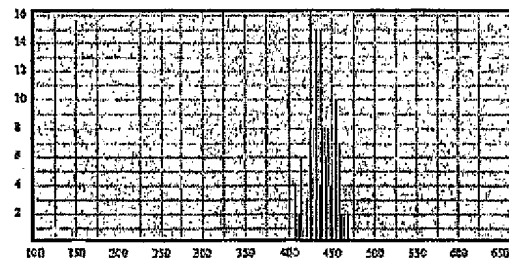
Coefficient A_2



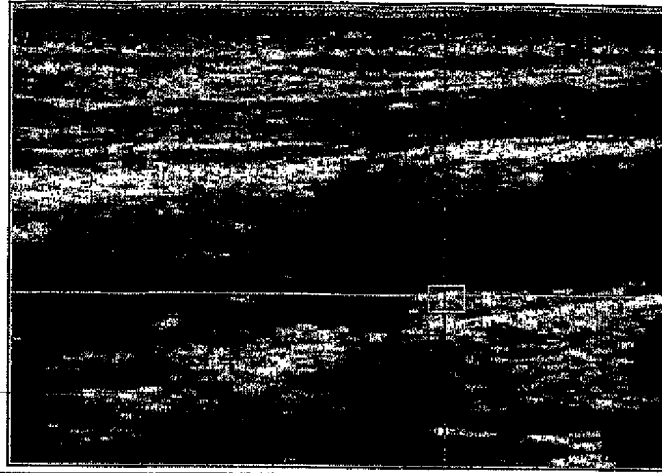
Coefficient A_3



Coefficient A_4



Calcification polinomial and histograms



Polinomial cursor and histogram window

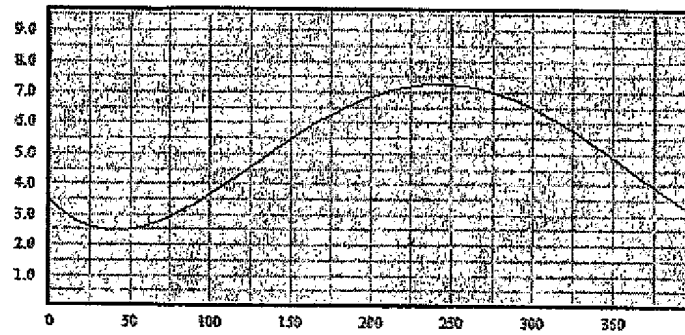
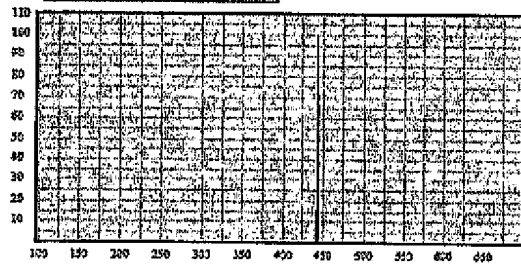
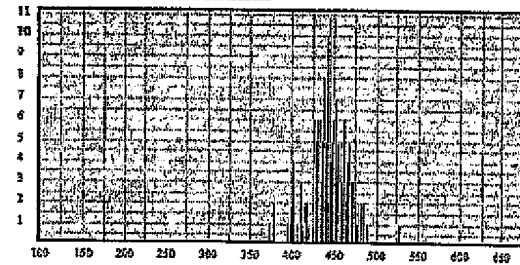


Fig.21

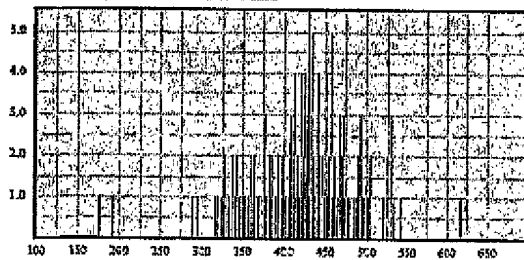
Coefficient A_0



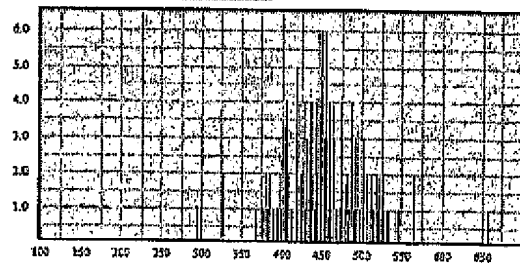
Coefficient A_1



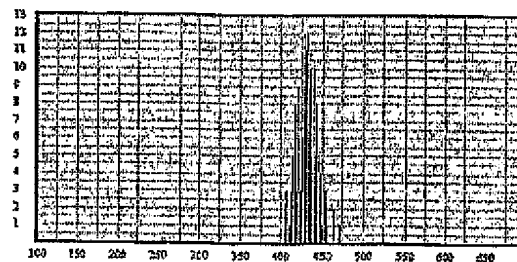
Coefficient A_2



Coefficient A_3

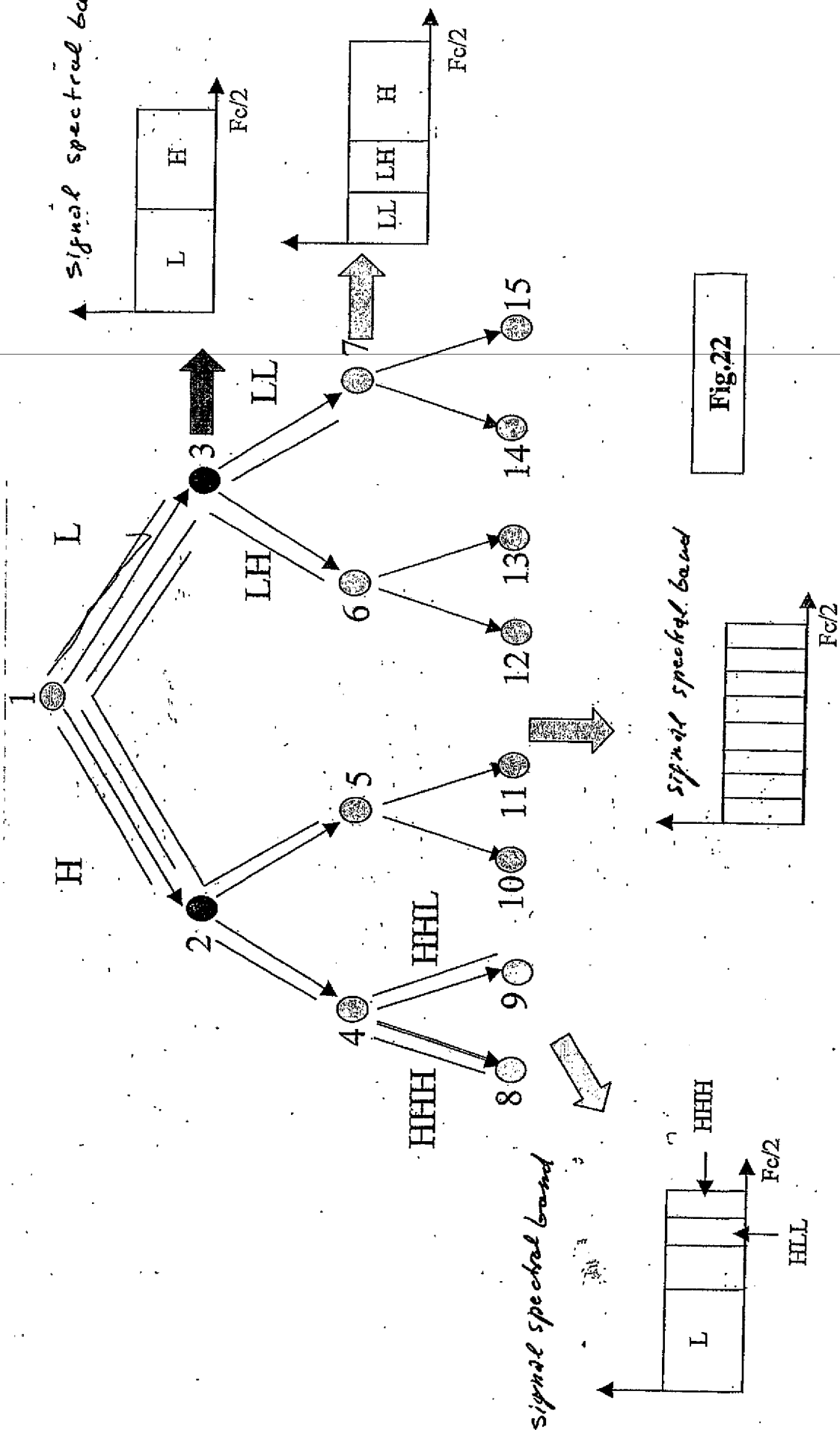


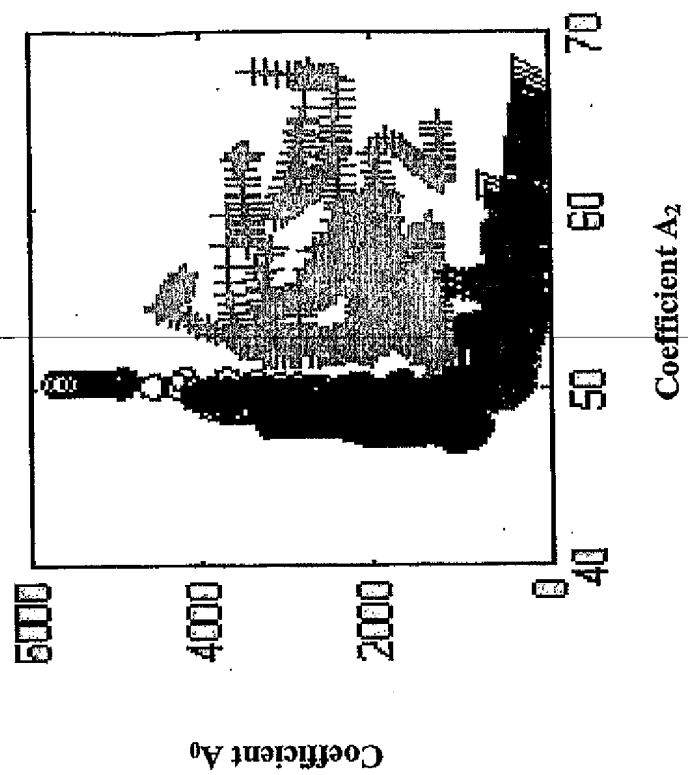
Coefficient A_4



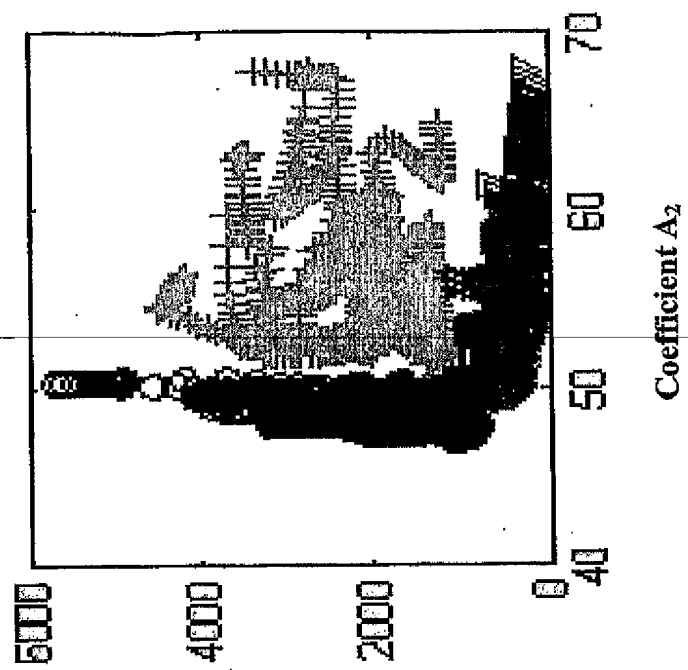
DWPT TRANSFORM

DECOMPOSITION TREE





(A)



(B)

Fig.23